

Converting Colors

CIELCh(55, 13.640, 159.521)

Have a look what the booklet for
CIELCh(55, 13.640, 159.521)
contains.

CIELCh(55, 13.706, 159.203)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(55, 13.706, 159.203)

Conversions

Conversions Part 1

Format	Color
Hex	6F8A7B
RGB	111, 138, 123
RGB Percent	44%, 54%, 48%
CMY	0.5653, 0.4594, 0.5182
CMYK	0.20, 0.00, 0.11, 0.46
HSL	147°, 11%, 49%
HSV	147°, 20%, 54%
XYZ	19.1697, 22.9298, 22.1059
YIQ	128.2170, -11.2770, -10.3890

Conversions

Conversions Part 2

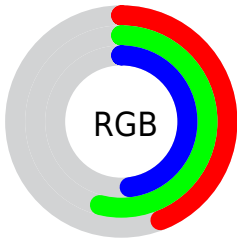
Format	Color
RYB	111, 130, 138
Decimal	7309947
CIELab	55.00, -12.81, 4.87
CIElCh	55, 13.706, 159.203
Yxy	22.9298, 0.2986, 0.3571
Android (android.graphics.Color)	4285500027 (0xFF6F8A7B)
YUV	128.2170, -2.5720, -15.0993
Hunter-Lab	47.8851, -12.3405, 6.1486

Details

The CIELCh color $55, 13.706, 159.203$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $50, 13.957, 342.319$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 13.551, 158.841$, and $35, 13.762, 158.282$ is the 20% darker color. If you saturate the color by 10%, you get $54, 20.634, 158.235$, and if you desaturate by 10%, it is $56, 6.704, 160.079$.

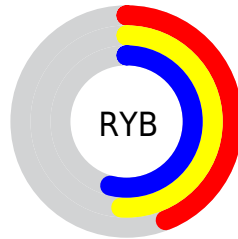
Distribution



Red (44%)

Green (54%)

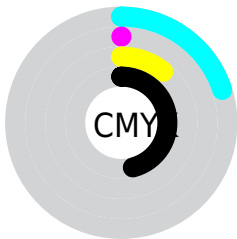
Blue (48%)



Red (44%)

Yellow (51%)

Blue (54%)

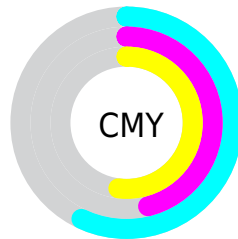


Cyan (20%)

Magenta (0%)

Yellow (11%)

Black (46%)



Cyan (57%)


Magenta (46%)


Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 13.706, 159.203 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 55, 13.706, 159.203 by changing the saturation by 10% instead.


 55, 13.706,
159.203


 55, 13.706,
159.203


 100, 13.706,
159.203


 45, 13.706,
159.203


 75, 13.706,
159.203

 35, 13.706,
159.203

 85, 13.706,
159.203

 25, 13.706,
159.203

 95, 13.706,
159.203

 15, 13.706,
159.203

 5, 13.706, 159.203

 0, 13.706, 159.203

■ 55, 13.706,
159.203

■ 55, 13.706,
159.203

■ 54, 20.634,
158.235

■ 56, 6.704, 160.079

■ 53, 27.386,
157.149

■ 57, 0.295, 339.810

■ 59, 7.225, 341.459

■ 52, 33.854,
155.920

■ 60, 14.038,
342.113

■ 52, 39.924,
154.525

■ 62, 20.699,
342.702

■ 51, 45.488,
152.947

■ 64, 27.188,
343.243

■ 51, 50.465,
151.172


■ 65, 33.490,
343.745


■ 50, 54.810,
149.205

■ 67, 39.602,
344.213

■ 50, 58.654,

147.186

 69, 45.521,
344.651

 50, 58.810,
147.108

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



55, 13.706, 159.203



50, 13.957, 342.319

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55, 13.706, 159.203



55, 13.706, 209.203



55, 13.706, 339.203



55, 13.706, 29.203

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



55, 13.707, 159.201



72, 5.175, 160.379



56, 16.096, 125.798



37, 3.420, 160.331



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55, 13.707, 159.201



69, 20.719, 158.738



55, 10.192, 192.583



28, 3.943, 160.116



48, 57.068, 147.198



1, 1.830, 160.781

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50, 13.957, 342.319



61, 21.185, 342.765



49, 11.357, 15.478



27, 3.981, 341.429



28, 53.081, 355.749



0, 1.830, 340.771

Previews

White Background



This preview shows how the CIELCh color 55, 13.706, 159.203 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 55, 13.706, 159.203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

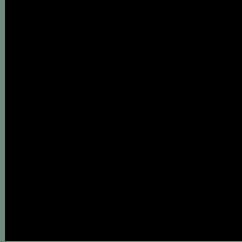
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 55, 13.706, 159.203

Background



This preview shows how black text looks on a background with the CIELCh color 55, 13.706, 159.203.



This preview shows how white text looks on a background with the CIELCh color 55, 13.706, 159.203.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

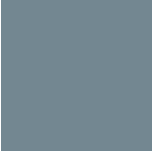
Dichromacy



Original Color
55, 13.706, 159.203

Protanopia
55, 7.288, 89.517

Deuteranopia
55, 7.861, 28.510



Tritanopia
55, 9.179, 237.762

Trichromacy



Original Color
55, 13.706, 159.203

Protanomaly
55, 7.846, 127.293

Deuteranomaly
55, 4.081, 98.258

Tritanomaly
55, 8.631, 202.430

Monochromacy



Original Color
55, 13.706, 159.203

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 5.280, 158.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 13.706, 159.203 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(111, 138, 123)` looks like.

```
.text, #text, p{  
    color:rgb(111, 138, 123)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(111, 138, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 138, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 13.706, 159.203 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 138, 123) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(111, 138, 123) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(111, 138, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 138, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 138, 123);  
box-shadow:4px 4px 4px 4px rgb(111, 138,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 13.706, 159.203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 138, 123) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(111,  
138, 123) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor